DOCKET NO.: ABDT-0579 PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Deia Salah-Eldin Bayoumi, et al.

Confirmation No.:

Application No.: 10/699,376

Group Art Unit: Not Yet Assigned

Filing Date: October 31, 2003

Examiner: Not Yet Assigned

For: INDUSTRIAL INFORMATION TECHNOLOGY (IT) PAPERLESS OPERATOR WORKSTATION

DATE OF DEPOSIT

3/1/04

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA,

TYPED NAME: John E. Moslynn REGISTRATION NO.: 42,863

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identifi	ed application as set forth in § 1.491, before the mailing date
of a first Office	Action on the merits of the above-identified application, or
before the mailing	g date of a first Office Action after the filing of request for
continued examin	ation under § 1.114, no additional fee is required.
In accordance wit	h § 1.129(a), this Information Disclosure Statement is being
filed in connection	on with \square the first or \square second After Final Submission,
therefore:	
☐ Ce	rtification in Accordance with § 1.97(e) is attached; or
☐ Th	e fee of \$180.00 as set forth in § 1.17(p) is attached.
In accordance wi	th § 1.97(c), this Information Disclosure Statement is being
filed after the peri	od set forth in § 1.97(b) above but before the mailing date of
either a Final Acti	on under § 1.113 or a Notice of Allowance under § 1.311, or
before an action the	nat otherwise closes prosecution in the application, therefore:
	Certification in Accordance with § 1.97(e) is attached;
	or
	The fee of \$180.00 as set forth in § 1.17(p) is attached.
In accordance wi	th § 1.97(d), this Information Disclosure Statement is being
filed after the ma	iling date of either a Final Action under § 1.113 or a Notice
of Allowance und	der § 1.311 but before, or simultaneously with, the payment
of the Issue Fee,	therefore included are: Certification in Accordance with §
1.97(e); and the s	ubmission fee of \$180.00 as set forth in § 1.17(p).

	Copie	s of each of the references listed on the attached Form PTO-1449 are
	enclos	ed herewith.
\boxtimes	Copie	s of references listed on the attached Form PTO-1449 are enclosed
	herew	ith
\boxtimes	Copie	s of references listed on the attached Form PTO 1449 are not required to
	be sul	omitted pursuant to the June 30, 2003 recent revisions to 37 CFR §
	1.98(a)(2)(i).
	EXCE	PT THAT:
	\boxtimes	In view of the voluminous nature of references 22, 40 and 41, and the
		likelihood that these references are available to the Examiner, copies
		are not enclosed herewith.
		In accordance with § 1.98(d), copies of the following references listed
		on the attached Form PTO-1449 are not enclosed herewith because
		they were previously cited by or submitted to the U.S. Patent and
		Trademark Office in patent application(s) for which a claim for priority
		under 35 U.S.C.§ 120 have been made in the instant application:
		Copies of references [list as appropriate] listed on the
		attached Form PTO-1449 were previously cited by or submitted
		to the Patent and Trademark Office in prior Application No.
		, filed .

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date:

3/1/04

ohn E. McGlynn

Registration No. 42,863

WOODCOCK WASHBURN LLP

One Liberty Place - 46th Floor Philadelphia, PA 19103

Telephone: (215) 568-3100

Facsimile: (215) 568-3439

© 2004 WW



Form 1	PTO	-1449 Modified	Docket No. ABDT-0579/B030290	Application No. 10/699,376		
C	ited b	t and Publications y Applicant heets if necessary)	Applicant Deia Salah-Eldin Bayoumi, et al.			
	*	nent of Commerce Trademark Office	Filing Date October 31, 2003	Group Not Yet Assigned		
O	ГНЕН	R DOCUMENTS (Includ	ing Author, Title, Date,	Pertinent Pages, Etc.)		
	1	System", IEEE Solutions	, 1998, 55-57	t Paperless Manufacturing		
	2	Chase, N., "Paperless Ma	anufacturing Pays Off", Q	Quality, November 1998, 46-47		
•	3	3 deSpautz, J., "Quantifying the Benefits of Automation", ISA Transactions, 19				
	4	Eckerson, W., "Paperfree Factory gets Patriot Flying", Network World, 8(52), 2 pages				
	5					
	6	Microelectronics Manufa	oint Industry_university CIM Project for University facturing", <i>IEEE</i> , 1991 , 37-40			
	7	Automation, May 1993,	anufacturing", Managing			
	8	Jain, H.K. et al., "E-R Approach to Distributed Heterogeneous Database Systems for Integrated Manufacturing", <i>Information Resources Management Journal</i> , 1992 , 3(1) 21-29				
	9	Johanson, D.C. et al., "Application of a B&W Developed Computer Aided Pictorial Process Planning System to CQMS for Manufacturing Process", Supercollider 4, 1992, 513-516				
	10	Haverson, D.S., RS/6000	Drives Paperless Manuf	acturing", Applied Solutions, 21-22		
EXAMINER	L		DATE CON	SIDERED		

Form PTO		Docket No. Application No. 10/699,376				
List of Paten Cited b (Use several s	Applicant Deia Salah-Eldin Bayoumi, et al.					
	U.S. Department of Commerce Patent and Trademark Office			Group Not Yet Assigned		
ОТНЕ	R DOCUMENTS (Includ	ling Author	, Title, Date,	Pertinent Pages, Etc.)		
11	Han, M.H. et al., "Flow of Stockout Cost", Int. J. Pr			acturing: Minimization of 1-715		
12	1996, 91, 419-420		lanagement und Optimierung der Geschaftsprozesse", ZWF,			
13	IEEE Transactions on Sy	esign of Integrated Manufacturing System Control Software", systems, Man, and Cybernetics, 1987, 17(6), 881-897				
14	Ram, S.N. et al., "Paperless Manufactruing for IC Assembly", <i>IEEE/SEMI Int'l Semiconductor Manufacturing Science Symposium</i> , 1992 , 90-93					
15	ess Manufacturing, A Challenge Now and in the Future", onductor Manufacturing Science Symposium, 1991, 89-94					
16						
17	Vasilash, G.S., "Meeting Production, July 1993, 5		Head-on (Mac	hinery Manufacturing)",		
18	Vide, J.J. et al., "FMS W Computer Simulation Co		Optimization", Proceedings of the 1986 Summer 986, 705-710			
19						
20	20 Shop Solutions-"Islands of Automation have Paperless Links", Manufacturing Engineering, 1997, 134-136					
EXAMINER			DATE CON	SIDERED		

Form I	KARM PILLIAAY WAAHIIRA			79/B030290	Application No. 10/699,376	
C				Applicant Deia Salah-Eldin Bayoumi, et al.		
	U.S. Department of Commerce Patent and Trademark Office			e 31, 2003	Group Not Yet Assigned	
O	THEF	R DOCUMENTS (Includ	ing Author	, Title, Date,	Pertinent Pages, Etc.)	
	21	"Revamping Manufactur	ring", Comp	uter-Aided En	gineering, 1995, 10-11	
*	22	of Technology			Manufacturing", Georgia Institute	
	23	and Information Sets", In Management, 2001, 21(1	wards Integrated Manufacturing Planning with Common Tool international Journal of Operations & Production 11), 1460-1482			
	24	Fung, R.Y.K. et al., "Adaptive Production Scheduling of Virtual Production Systems Using Object-Oriented Petri Nets with Changeable Structure", <i>Intl. J. Prod. Res.</i> , 2002 , 40(8), 1759-1785				
	25	Greenwell, R.M. et al., "Computer-aided Acquisition of Manufacturing Information Advances in Engineering Software, 1994, 20, 1-12				
	26	Guide, Jr., V.D.R. et al., Production Planning & G			ning for Remanufacturing Firms", 44	
	27		ıl Journal o	f Production of	Economics, 1991, 25, 5-12	
	28					
	29	Jean-Luc, G., "Automated Shop Floor Control System and Method of Operation Thereof", <i>Patents Alert</i> , 5530857 , page 87				
	30 Naylor, A.W., et al., "Design of Integrated Manufacturing System Control Software", <i>IEEE Transactions on Systems, Man, and Cybernetics,</i> 1987, SMC17-(6), 881-897					
EXAMINER DATE CONSIDERED						

^{*} A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

© 2004 WW

Form P1O-	-1449 Modified	Docket No. ABDT-0579/B030290	Application No. 10/699,376		
Cited by	and Publications y Applicant heets if necessary)	Applicant Deia Salah-Eldin Bayoumi, et al.			
	ent of Commerce rademark Office	Filing Date October 31, 2003	Group Not Yet Assigned		
OTHER	R DOCUMENTS (Includ	ing Author, Title, Date,	Pertinent Pages, Etc.)		
31			for Control of Production of the <i>imentation and Control</i> , 1983 , 4,		
32		Fulti-Contract Net Protocol for Dynamic Scheduling in Systems (FMS)", Proceedings of the IEEE International Automation 1999, 1114-1119			
33	Patkai, B., "A CooperativiteEE, 1998, 2518-2521	ve Scheduling System for	Paper Machinery Manufacturing",		
34	34 Ramaswamy, S.E. et al., "Deadlock-Free Schedules for Automated Manufacturing Workstations", <i>IEEE Transactions on Robotics and Automation</i> , 1996 , 12(3), 391-400				
35	Roberts, P.D. et al., "A C and Control, Abstracts, 0		ntegrated Operations Management		
36	Saad, A. et al., "Effective Manufacturing Systems"		duling in Agent-Based Flexible		
37	Slomp, J. et al., "A Manu Manufacturing System", 10(1/2), 109-114	facturing Planning and Conduction & Computer-Int	ontrol System for a Flexible egrated Manufacturing, 1993,		
38					
39	AMICE, Computing and	Control Engineering Jour			
* 40	K. Kachigan, Multivariate Statistical Analysis, A Conceptual Introduction, 2 nd Edition, 1991				
EXAMINER DATE CONSIDERED					

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

© 2004 WW

HARM PITILIZZY WIGHTIER			Docket No ABDT-05	o. 79/B030290	Application No. 10/699,376	
			Applicant Deia Salah-Eldin Bayoumi, et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Dat October 3		Group Not Yet Assigned	
OT	HER	R DOCUMENTS (Includ	ing Author	, Title, Date, I	Pertinent Pages, Etc.)	
*	41	Regression, 2002, John V	Wiley & Son	ns, Inc.,	Nonlinear Classification and	
	42	Cox, D., "Analyzing Tran	nsformer Test Data",			
	43 Geromel, L. H. et al., "The Application of Intelligent Systems in P Design", Proceedings of the 2002 IEEE Canadian Conference on Computer Engineering, 2002, 285-290			nt Systems in Power Transformer Conference on Electrical &		
	44	Transformer Construction	A Synergetic Neural Network-Genetic Scheme for Optimal on", <i>Integrated Computer-Aided Engineering</i> , 2002 , 9, 37-56			
45 Saravolac, M.P., "Use of Institution of Electrical Institution In						
46 Balma, P.M. et al., "Exp Diagnostics, and Design 58th Annual Meeting, 19			Review", P	roceedings of	nsformer Maintenance, the American Power Conference,	
·						
					··	
EXAMINER		,		DATE CONS	SIDERED	

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

©2004 WW

For	n PT	O-1449 Modified	d	Docket No. ABDT-0579/B030290	Application No. 10/699,376		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)				Applicant Deia Salah-Eldin Bayoumi, et al.			
		rtment of Commerce d Trademark Office	•	Filing Date October 31, 2003 Group Not Yet Assigned			
		U. S	S. PATENT	DOCUMENTS			
Examiner Initial		Document No.	Date	Name Class Subc			
	47	5,311,438	05/10/94	Sellers, et al.	364	468	
	48	5,463,555	10/31/95	Ward, et al.	364	468	
,	49	5,835,764	11/10/98	Platt, et al.	395	671	
	50	6,324,259 B1	02/05/02	Sandoual	705	7	
	51	6,324,523 B1	11/27/01	Killeen, Jr. et al.	705	35	
	52	6,477,521 B1	11/05/02	Kuomura, et al.	707	1	
	53	2001/0042092 A1	11/15/01	Kudo, et al.	709	200	
	55	2002/0143598 A1	10/03/02	Scheer	705	9	
	56	6,633,772	10/14/03	Ford, et al.	600	345	
	57	6,636,862 B2	10/21/03	Lundahal	707	101	
		FORE	IGN PATE	ENT DOCUMENTS			
Examiner		D. A.N.	D-4-	Comment		nslation	
Initial		Document No.	Date	Country	YES	NO	
	58	EP 0 567 291 A2	10/27/93	EPO			
	59	EP 0 721 625 B1	04/24/02	EPO			
	60	WO 95/09387	04/06/95	PCT			
	61	WO 98/57285	12/17/98	PCT			
	62	WO 99/15979	04/01/99	PCT			
_ ·	63	WO 01/02928 A2	01/11/01	PCT			
	64	WO 01/50405 A1	07/12/01	PCT			
EXAMINER			DATE CONSIDERED				